

Weekly Report

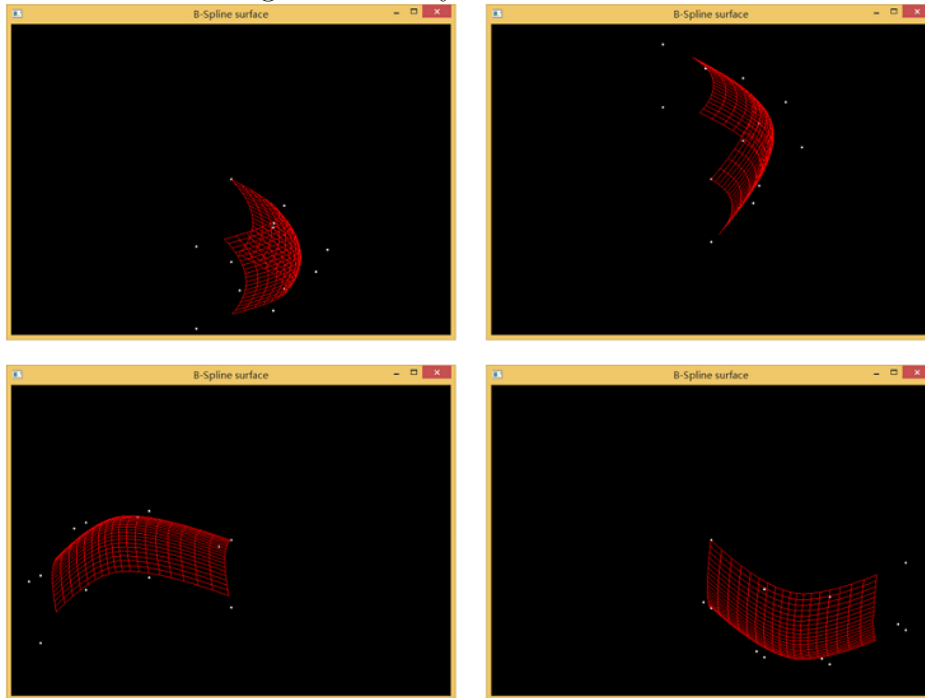
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Work has been done

1. Review the paper *Determinants of Crime Propensity: Individual Characteristics and Behavioral Patterns* and interpret the R source code. I ran the code and it took about 30 minutes to finish computing and training the sample dataset. Both Gu Tianyu and Prof. Gu believe that it's not in high efficiency and needs improving.

2. The SRTP mid-term check checkout is approaching. Two junior students and I have been working on a project related to Bézier curve. I studied some basic OpenGL techniques and implemented the effect of moving the curve by cursor.



It took me a long time and finally I asked help from a friend of CS college to solve a weird bug.

3. I started reading the chapter of *Support Vector Machine*. It's more difficult than previous chapters and needs more mathematical theories.

Work to be done

1. Gu has finished his own paper and now we have time to chat more on the project.

2. Proceed reading the statistical learning Read one paper of KDD or related/similar conference.

(I may go home in the following week)